

## **Spatial structure of 2,2-dimethyl-5-alkyl-1,3- 2,5-dioxasilaphosphorinanes**

Varnavskaya O., Ishmaeva E., D'yakov V., Kudyakov N.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

A study was made of the IR spectra and dipole moments of some heterocycles that simultaneously contain phosphorus and silicon atoms. The preferential conformation of the dioxasilaphosphorinanes is discussed. © 1979 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00929244>

---